Claims

- Hair cosmetics comprising the following components
 (A) and (B):
- (A) organopolysiloxane having an amino-modified organopolysiloxane chain and a polyoxyalkylene chain,
- (B) at least one cationic surfactant selected from the group consisting of compounds represented by formula (1) or (2):

$$\begin{bmatrix} R^{2} & & \\ R^{1} & N - R^{4} \\ & R^{3} \end{bmatrix}^{+} X^{-}$$
 (1)

wherein at least one of R¹, R², R³ and R⁴ represents a linear or branched alkyl, alkenyl or aliphatic acyloxy(polyethoxy) ethyl group containing 8 to 35 carbon atoms in total, which may be interrupted by a functional group represented by -O-, -CONH-, -OCO- or -COO- or substituted with -OH, and the remainder represents a C1 to C5 alkyl or hydroxyalkyl group, or a polyoxyethylene group wherein the number of moles added is 10 or less in total, and X⁻ represents a halogen ion or an organic anion,

$$R^{5} - N < R^{6}$$
 (2)

wherein R⁵ represents a linear or branched alkyl or alkenyl group containing 8 to 35 carbon atoms in total, which may be interrupted by a functional group represented by -O-, -CONH-, -OCO- or -COO- or substituted with -OH, R⁶ represents a C1 to C22 alkyl, alkenyl or hydroxyalkyl group, and two R⁶s may be the same as or different from each other.

2. The hair cosmetics according to claim 1, wherein the amino-modified organopolysiloxane chain comprises a polymerization unit represented by formula (3):

$$\begin{array}{c|c}
 & R^7 \\
 & Si \\
 & Si \\
 & R^7
\end{array}$$

$$\begin{array}{c|c}
 & R^8 \\
 & I \\
 & Si \\
 & E
\end{array}$$

$$\begin{array}{c|c}
 & (3) \\
 & B
\end{array}$$

wherein R^7 represents a hydrogen atom or a C1 to C6 monovalent hydrocarbon group, R^8 represents R^7 or E, E represents a reactive functional group represented by $-R^9$ -Z, whereupon R^9 represents a direct bond or a C1 to C20 divalent hydrocarbon group and Z represents a primary to tertiary amino groupcontaining group or an ammonium group-containing group, a is a number of 2 or more, b is a number of 1 or more, and a plurality of R^7 , R^8 and E may be the same as or different from one another.

3. The hair cosmetics according to claim 1 or 2, wherein the component (A) is a block copolymer of an amino-modified organopolysiloxane chain and a polyoxyalkylene chain.

4. The hair cosmetics according to any one of claims 1 to 3, wherein the component (A) comprises a polymerization unit represented by formula (4):

wherein R^7 , R^8 , E, a and b have the same meaning as defined above, n is a number of 2 to 10, n_s whose number is c may be the same as or different from one another, c is a number of 4 or more, d is a number of 2 or more, and Y represents a divalent organic group bound via a carbon-silicon atom to the adjacent silicon atom and via an oxygen atom to the polyoxyalkylene block chain.

- 5. The hair cosmetics according to claim 4, wherein the ratio of the siloxane block is 25 to 97% by weight of the whole block copolymer.
- 6. The hair cosmetics according to any one of claims 1 to 5, which further comprise at least one lubricant selected from the group consisting of compounds represented by formulae (5), (6) and (7):

$$R^{10}$$
-OH (5)

$$R^{11}$$
-COOH (6)

$$CH_2O - R^{12}$$

 $CHO - R^{13}$
 $CH_2O - R^{14}$
 $CH_2O - R^{14}$ (7)

wherein R^{10} represents a C_{12} to C_{30} alkyl or alkenyl group, R^{11} represents a C_{11} to C_{29} alkyl or alkenyl group, at least one of R^{12} , R^{13} and R^{14} represents a C_{8} to C_{30} acyl group, and the remainder represents a hydrogen atom.